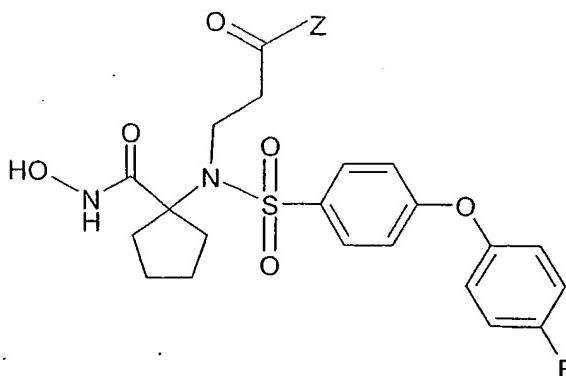


Figure 1.



Compound	Z
1.	-OH [prior art]
2.	-NH-[chelator 1]
3.	-NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ OCH ₂ CO-NH-[chelator 1]
4.	-NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH ₂
5.	-NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ Cl
6.	-NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ S(CH ₂) ₃ F
7.	-NH-Lys(CO)NH-(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ OCH ₂ CO-NH-Lys-[ε-chloroacetyl]-NH ₂
8.	-NH-Glu-NH ₂
9.	-NH-Lys-NH ₂
10.	-NH-Leu-NH ₂
11.	-NH-Lys-Glu-NH ₂
12.	-NH-Glu-Glu-NH ₂
13.	-NH-Leu-Glu-NH ₂
14.	-NH-Lys-Lys-NH ₂
15.	-NH-Gly-Lys-NH ₂
16.	-NH-Glu-Lys-NH ₂
17.	-NH-Leu-Lys-NH ₂
18.	-NH-Gly-Glu-NH ₂
19.	-NH-(Glu) ₅ -Tyr-NH ₂
20.	-NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ OCH ₂ CO-NH-Tyr(3-iodo)-NH ₂
20A.	-NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ OCH ₂ CO-NH-Tyr(3- ¹²³ I)-NH ₂
21.	-NH-(Glu) ₅ -Tyr(3-iodo)-NH ₂

21A.	-NH-(Glu) ₅ -Tyr(3- ¹²³ I)-NH ₂
22.	-O-C ₆ F ₅
23.	-NH(CH ₂) ₂ -[C ₆ H ₄ -4-OH]
24.	-NH(CH ₂) ₂ -[C ₆ H ₃ -3-I-4-OH]
24A.	-NH(CH ₂) ₂ -[C ₆ H ₃ -3- ¹²³ I-4-OH]
25.	-NH-C ₆ H ₄ -4-SnBu ₃
26.	-NH-C ₆ H ₄ -4-I
30.	-Lys-NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ OCH ₂ CO-NH-Tyr(3-iodo)-NH ₂
30A.	-Lys-NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ OCH ₂ CO-NH-Tyr(3- ¹²³ I)-NH ₂
31.	-Lys-NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ OCH ₂ CO-NH-Tyr-NH ₂
32.	-NH(CH ₂ CH ₂ O) ₁₁ CH ₂ CH ₂ CONH(CH ₂ CH ₂ O) ₁₁ CH ₂ CH ₂ -CONH-Tyr(3-iodo)-NH ₂
32A.	-NH(CH ₂ CH ₂ O) ₁₁ CH ₂ CH ₂ CONH(CH ₂ CH ₂ O) ₁₁ CH ₂ CH ₂ -CONH-Tyr(3- ¹²³ I)-NH ₂
33.	-NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ OCH ₂ CO-NH-Tyr-NH ₂
34.	-Glu-NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ OCH ₂ CO-NH-Tyr-NH ₂
35.	-Glu-NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ OCH ₂ CO-NH-Tyr(3-iodo)-NH ₂
36.	-NH(CH ₂ CH ₂ O) ₁₁ CH ₂ CH ₂ CONH(CH ₂ CH ₂ O) ₁₁ CH ₂ CH ₂ -CONH-Tyr-NH ₂
37.	-(Glu) ₅ -NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ OCH ₂ CO-NH-Tyr-NH ₂
38.	-(Glu) ₅ -NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ OCH ₂ CO-NH-Tyr(3-iodo)-NH ₂
39.	-NH-Tyr-NH ₂
40.	-NH-Tyr(3-iodo)-NH ₂
41.	-(Lys) ₅ -NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ OCH ₂ CO-NH-Tyr-NH ₂
42.	-(Lys) ₅ -NH(CH ₂ CH ₂ O) ₃ (CH ₂) ₂ NH(CO)CH ₂ OCH ₂ CO-NH-Tyr(3-iodo)-NH ₂

43.	-NH(CH ₂ CH ₂ O) ₁₁ CH ₂ CH ₂ -CONH-Tyr-NH ₂
44.	-NH(CH ₂ CH ₂ O) ₁₁ CH ₂ CH ₂ -CONH-Tyr(3-iodo)-NH ₂
45.	-(Lys- α -NH ₂) ϵ -COCH ₂ O-NH ₂
46.	-(Lys- α -NH ₂) ϵ -COCH ₂ O-N=CH-(4-F-phenyl)
46B	-(Lys- α -NH ₂) ϵ -COCH ₂ O-N=CH-(4- ¹⁸ F-phenyl)
47.	-NH(CH ₂ CH ₂ O) ₁₁ CH ₂ CH ₂ CONH(CH ₂ CH ₂ O) ₁₁ CH ₂ CH ₂ -CONH-Lys- α -NH ₂ - ϵ -COCH ₂ O-NH ₂
48.	-NH(CH ₂ CH ₂ O) ₁₁ CH ₂ CH ₂ CONH(CH ₂ CH ₂ O) ₁₁ CH ₂ CH ₂ -CONH-Lys- α -NH ₂ - ϵ -COCH ₂ O-N=CH-(4-F-phenyl)
48B	-NH(CH ₂ CH ₂ O) ₁₁ CH ₂ CH ₂ CONH(CH ₂ CH ₂ O) ₁₁ CH ₂ CH ₂ -CONH-Lys- α -NH ₂ - ϵ -COCH ₂ O-N=CH-(4- ¹⁸ F-phenyl)

Note: the abbreviation [amino acid]-NH₂ indicates a terminal -CONH₂ amide group on the amino acid carboxy terminus.

Where Chelator 1 is:

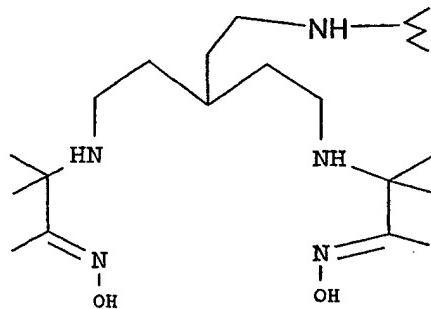
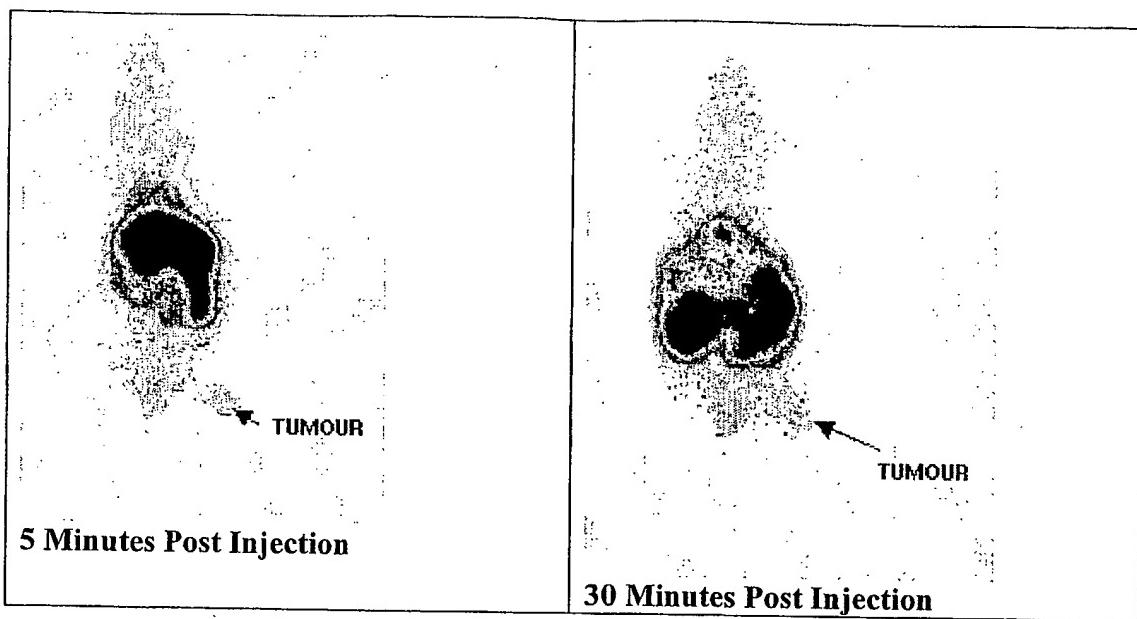


Figure 2.

Compound	Structure
27.	 [prior art]
28.	 [prior art]
29.	 [prior art]

Figure 3: *In Vivo* Images



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